

APPENDIX

Restatement of Summary of Claimed Subject Matter

The present invention relates to an access point device (18, Fig. 1) that allows a local area network (LAN) administrator to prevent the association of certain mobile stations (for example, those operated by malicious intruders) with a radio-based LAN system. (Specification, page 1, lines 5-10) Hence, the access point device of the present invention functions in advance of the commencement of (or as the definitive initial part of a first step of) an association procedure by which a mobile terminal entering the area of the LAN, and/or attempting to join the LAN for the first time, becomes a registered node on the LAN. (Specification, page 8, lines 20-23) In particular, this access point device implements the final definitive step of an authentication procedure that must be satisfactorily completed prior to the association of any particular mobile station with the LAN. To that end, the access point device of the present invention has an interface function with a network constructed of wired transmission channels that establishes a data link connection with a plurality of mobile stations within the area encompassed by a radio LAN associated with the access point device. (Specification, Page 8, line 13 to Page 10, line 18; Page 18, line 8 to Page 22, line 22) Further, the access point device 18 includes a display means 16 and an input means 15 utilized by the LAN administrator in the course of the acceptance or rejection of an authentication of a particular mobile station for subsequent association with the LAN. (Specification, Page 12, lines 10-16; Page 13, lines 9-25; and Fig. 1)

Accordingly, as part of the authentication procedure that must be satisfactorily completed in order for a new mobile station to join the LAN, the display means of the access point device of the present invention displays information regarding that mobile station to the LAN administrator seeking an authorization (or a final approval of an authorization otherwise granted by the LAN) for the association of that mobile station with the LAN to proceed. The access point device input means constitutes the mechanism by which the LAN administrator enters an authenticating-authorizing or an authentication-rejecting instruction concerning the mobile station seeking association with the LAN. (Specification, Page 13, lines 18-25)

Accordingly, it is inherent in the access point device 18 herein claimed that the display means 16 and the input means 15 both are associated with the human LAN administrator at a pre-selected location such as the LAN control console or the LAN administrator's access point controlling computer. This is abundantly clear from the present specification and from the words of the present claims themselves to the effect that information about the mobile terminal seeking association with the LAN is displayed on the claimed display to the LAN administrator (i.e., the user, page 13, line 10) for his final approval of the authentication of the mobile terminal for association with the network (i.e., displayed to a human Network Administrator at his computer console because a "display" to a machine makes no sense in the context of the claims of this application, particularly when the same are read in light of their associated specification (See specification, pp. 12-13) – See also page 13, line 20, indicating that the input 15 is such as to receive HUMAN inputs so as to notify the processing means whether or not the USER WHO ADMINISTERS the wireless area network 1 grants authorization or rejection after the presence of the authentication-requesting mobile station is notified to the LAN administrator by the authentication request display 16 (which is part of the access point device).

Thus, the access point device of the present invention *prior to allowing the association procedure to begin, or to continue beyond an initial authentication step* (See, specification, *page 8, line 23*), (i) displays via the display means the information about the mobile station that is seeking association with the LAN to the LAN administrator, and (ii) following a determination by the LAN administrator based upon such criteria as he may deem appropriate concerning whether or not the mobile station seeking association with the LAN should be allowed to proceed with the association procedure, the LAN administrator enters instructions implementing that determination into the access point device via the input provided for that purpose.

The criteria utilized by the LAN administrator may include, but are not limited to, the results of initial communications between the access point device and the mobile station seeking association with the LAN regarding the knowledge of the mobile station seeking association of secret keys or the like obtained independently or by initial communications with the various established nodes of the LAN. (Specification, Page 10, lines 19-21, Page 18, line 14 – Page 19, line 6)

In summary, when performing an authentication procedure before a particular mobile station is allowed to become associated with the network, the display means of the access point device of the invention displays information regarding the mobile station requesting authorization to the LAN administrator for final authorization (approval) of the authentication procedure. Thereafter, an authentication-authorizing or authentication-rejecting instruction regarding the mobile station seeking association with the LAN is entered via the input means of the access point device. Significantly in this regard, it is to be noted that the network (LAN) administrator is not bound by any particular, or set, criteria as to whether he/she authorizes or rejects an authentication request, and also a lack of a specific authentication-authorizing input may itself be construed by the system as an authentication-authorizing or rejecting instruction. (Specification, page 22, lines 2-22)